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State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
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Supervisor MRS

Inspection Report
Minerals Regulatory Program
Report Date

Mine Name: Grantsville Quarry
Operator Name: Chemical Lime

Permit number: M0450028
Inspection Date: April 20, 2006
Time: 1:05-2:40 PM

Inspector(s): Paul Baker
Other Participants: Dave Smith, Chemical Lime
Mine Status: Active

Weather: Clear, 60's

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	☒	☐	☐
2. Public Safety (shafts, adits, trash, signs, highwalls)	☐	☐	☐
3. Protection of Drainages / Erosion Control	☐	☐	☐
4. Deleterious Material	☐	☐	☐
5. Roads (maintenance, surfacing, dust control, safety)	☐	☐	☐
6. Concurrent Reclamation	☒	☒	☐
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	☐	☐	☐
8. Water Impoundments	☐	☐	☐
9. Soils	☒	☒	☐
10. Revegetation	☒	☐	☐
11. Air Quality	☐	☐	☐
12. Other	☒	☒	☐

Purpose of Inspection:
This was a routine inspection.

Inspection Summary:
6. Concurrent Reclamation
It is Chemical Lime's policy to do as much concurrent reclamation as possible, but that has been difficult at this site because the entire mine is open and subject to mining. Photo 1 shows a large portion of the active mining area.

To the south of the mine is a waste pile bordering on a SITLA lease (Photo 2). The lease begins at about the juniper tree at the center of this photo. The operator intends to push down the waste pile to the edge of the lease area and complete reclamation in this area. Although the operator would like to open the state lease for mining, they have been unable to complete an agreement with the surface owner.

9. Soils
The operator has a variance from soil salvage requirements, but there are a few places where it appears soil may be available. At the bottom of the hill west of the westernmost dump, it looks like there should be some salvageable soil (Photo 3).

There is a small amount of soil in an area above the quarry, but the area has whitetop, a troublesome noxious weed.

12. Other
Photo 4 shows a dump the operator is no longer expanding because it was affecting a wetland.

Conclusions and Recommendations:
I strongly suggest that the operator attempt to control the whitetop. Otherwise, it is likely to spread to other parts of the mine and to create problems when the site is being revegetated. Herbicide recommendations from the Montana, Utah, Wyoming Weed Management Handbook (available online at https://uwadmnweb.uwyo.edu/UWCES/WeedManagementHandbook.asp) are:

2,4-D amine or ester **Rate:** 2 qt product/A of the 4EC or 2.7 pt product/A of the 6EC *2,4-D*
Timing and Remarks: Apply in the spring to actively growing plants before the bud stage.

Plateau **Rate:** 8-12 oz product/A
imazapic
Timing and Remarks: Apply after full bloom and until plants become necrotic.
Always add a 1 qt MSO/A.

Telar **Rate:** 1 oz product/A
chlorsulfuron
Timing and Remarks: Apply from the bud to early bloom stages.

Escort **Rate:** 1 oz product/A
metsulfuron
Timing and Remarks: Apply from the bud to early bloom stages.

Information presented at the Utah Weed Control Association meeting indicates Escort and Telar are the most effective of these herbicides.

Although the plan contains a variance from soil salvage requirements, I suggest that the operator attempt to salvage soil when it is feasible and desirable. Soils containing noxious weeds or excess salts should not be salvaged.

Mr. Smith pointed out an area west of the quarry where chicken manure is being disposed of. Once composted, this manure would make an excellent amendment for substitute soils, such as limestone fines. It could be spread at the rate of about five tons per acre then ripped into the surface.

Overall, this is a clean operation where the operator is trying diligently to comply with regulatory requirements and, as the area is being mined, to be aware of the eventual need to reclaim the site.

Inspector's Signature _____ **Date:** 5/8/06

PBB:pb
cc: Dave Smith, Chemical Lime
SITLA
Attachment: Photos

ATTACHMENT
Photographs
M0450028, Grantsville Quarry, Chemical Lime
Inspection Dated: April 20, 2006; Report Dated: May 3, 2006

Photo 1. This shows a large portion of the quarry.

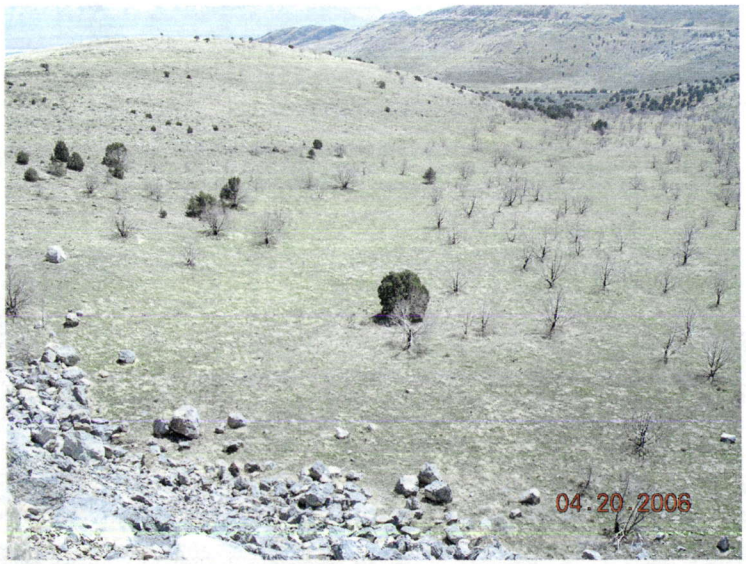

Photo 2. Looking approximately south or southeast from the top of a waste rock pile. Beyond the juniper in the center of the photo is the SITLA lease.

Photo 3. This is looking toward the base of a waste rock pile west of the mine and plant. If this pile is expanded, there may be soils that could be salvaged.

Photo 4. A waste rock pile, no longer being expanded, that was encroaching on a wetland.